

**INTELLEC PROMPT™ 48**

Manual Order Number: 9800408B

**schematic  
drawings**

**intel®**



INTELLEC PROMPT™ 48

Manual Order Number: 9800408B

NUMBER	TITLE	PAGE
2001573	Schematic, Keyboard Display .....	1
1001011	PWA, Keyboard Display .....	7
4000728	Harness Assembly, A.C. Power .....	8
4500725	Power Supply Assembly .....	9
2000960	Schematic, Power Supply, V/C AA (Power One) .....	10
2001041	Schematic, Power Supply, V/C AB (XENTEK).....	11
4001009	Front Panel Assembly .....	12
4001016	Harness Assembly, D.C. Power .....	13
2001102	Wiring Diagram, A.C./D.C. Power .....	14
4001008	Assembly, Main Frame .....	15
4001124	Cable Assembly, User Interface .....	17
4001373	Cable Assembly, User Interface (Alternate) .....	18

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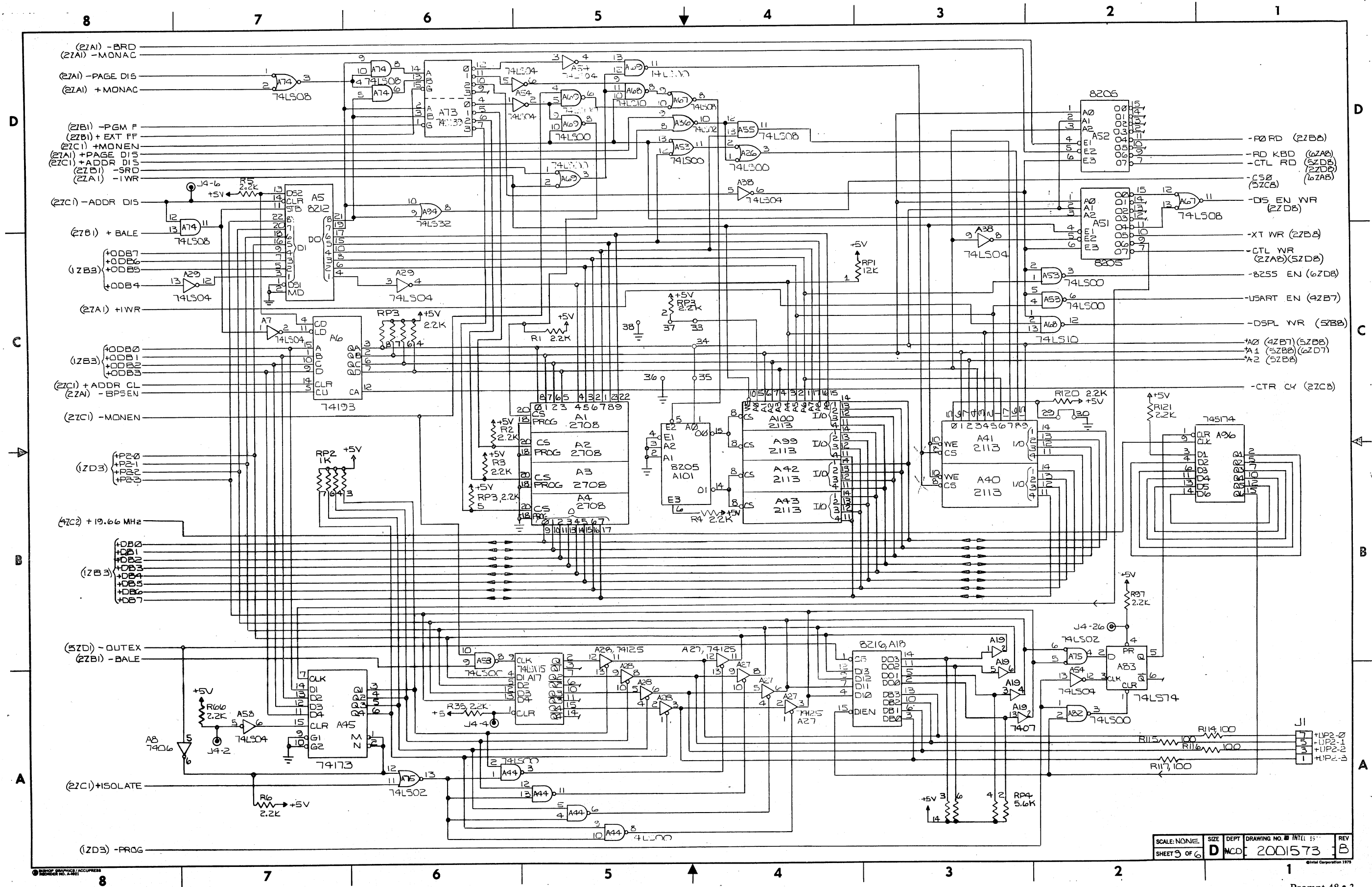
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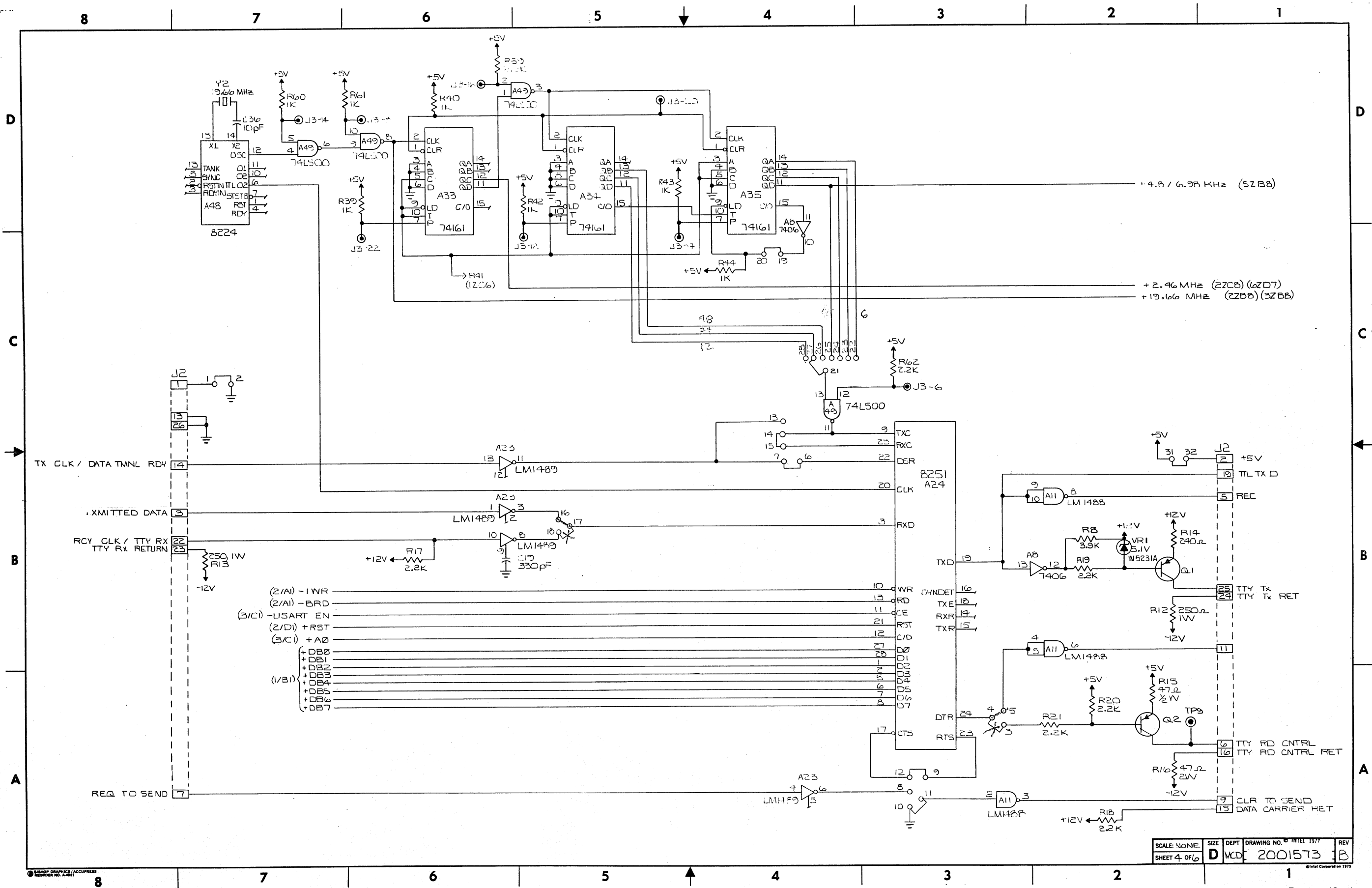
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INSITE	MCS	RMX
INTEL	MEGACHASSIS	UPI
INTELLEC	MICROMAP	μSCOPE
ISBC	MULTIBUS	

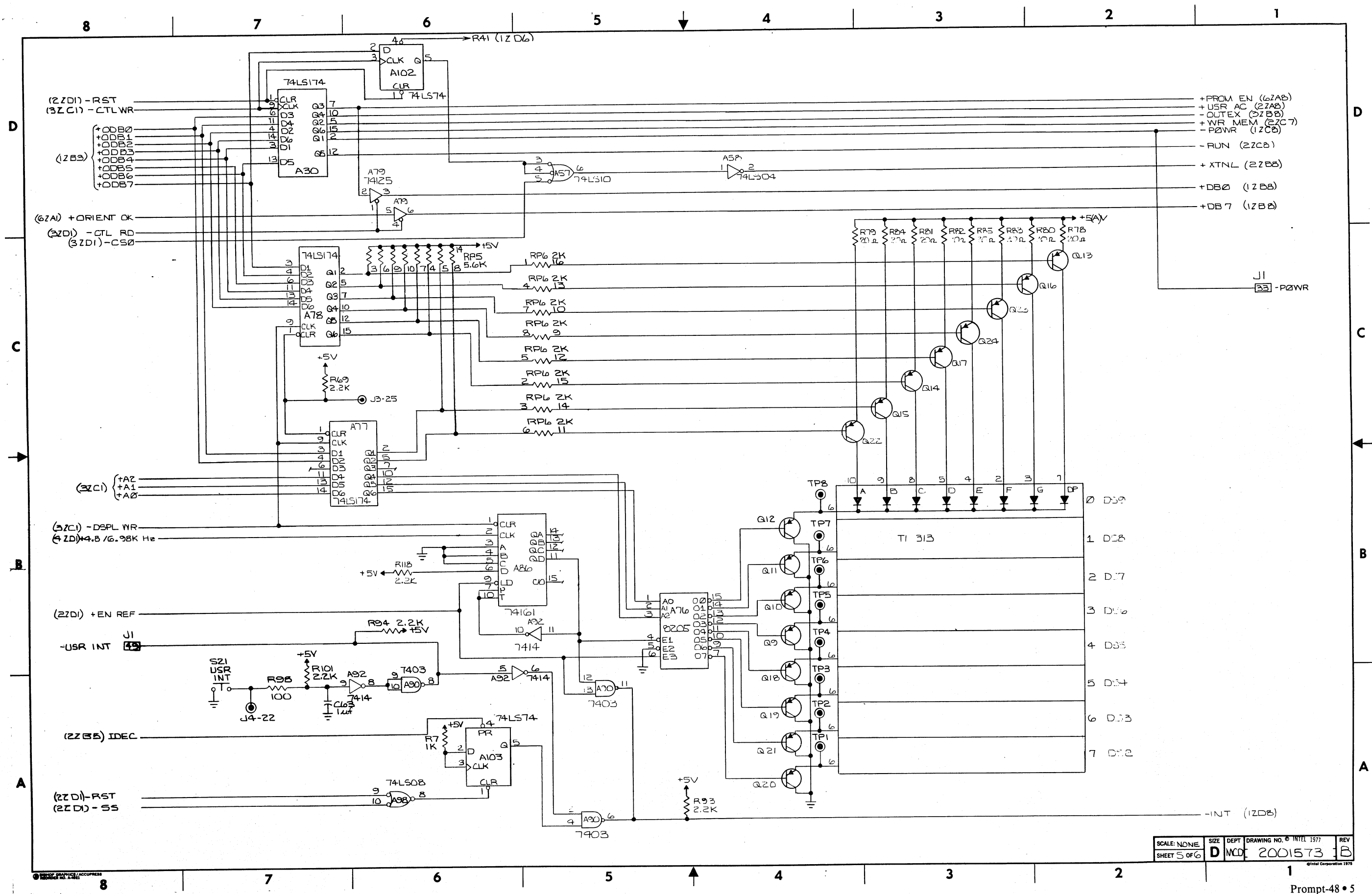








SCALE: NONE	SIZE: D	DEPT: MCD	DRAWING NO.: 2001573	REV: B
SHEET 4 OF 6				







8 7 6 5 4 3 2 1

.100 SPACE

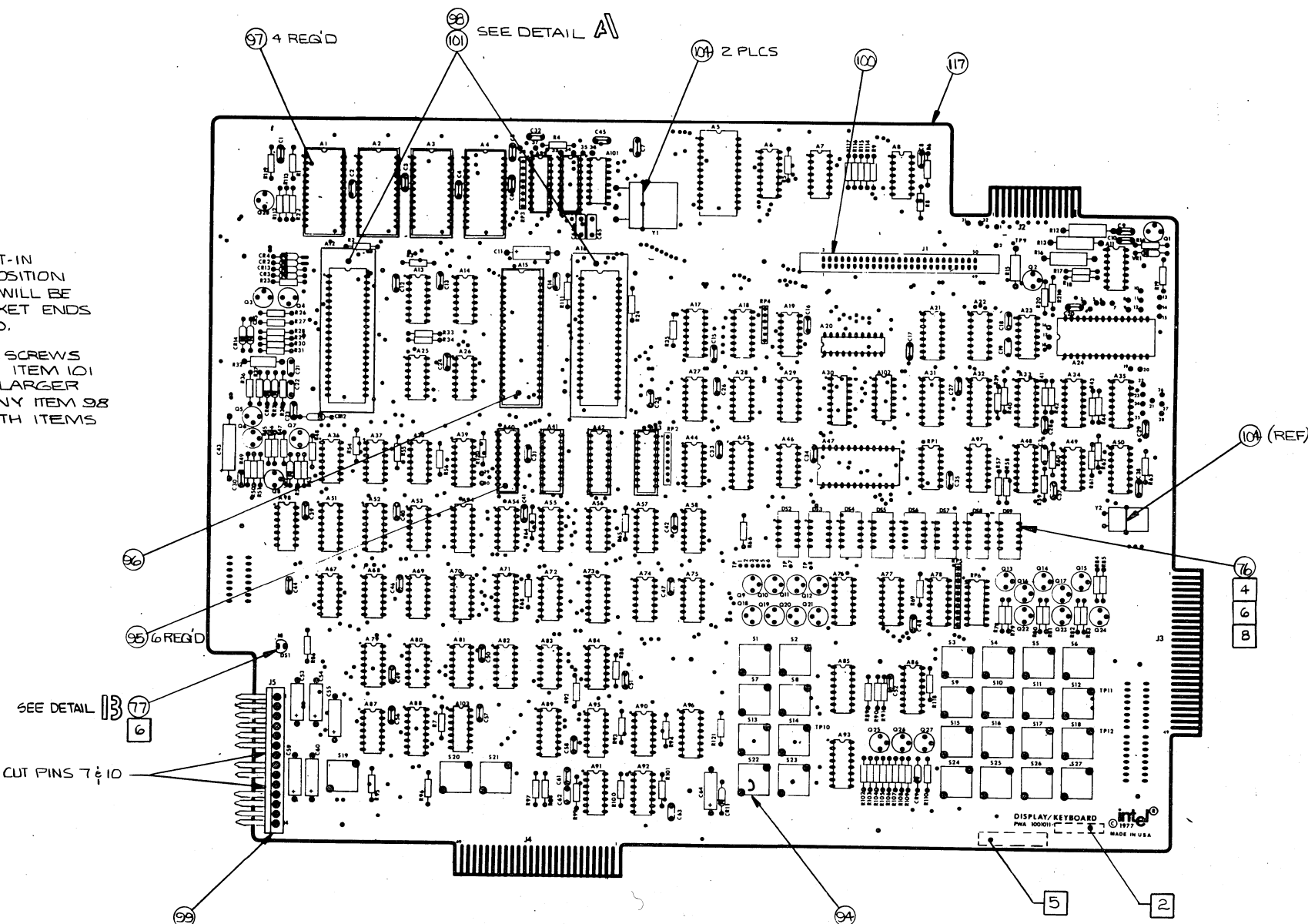
98 (REF)

101 (REF)

1. LOOK FOR THIS CUT-IN TO BE IN PIN 1 POSITION SO CONN. ENDS WILL BE FLUSH WITH SOCKET ENDS WHEN INSTALLED.

2. DISCARD SMALL SCREWS THAT ACCOMPANY ITEM 101 AND USE THE LARGER THAT ACCOMPANY ITEM 98 TO SECURE BOTH ITEMS TOGETHER.

DETAIL A  
(SCALE: 2/1)



NOTES: UNLESS OTHERWISE SPECIFIED,

1. ASSY NO. IS 1001011-XX.

ASSY AND PL ARE TRACKING DOCUMENTS.

2. MARK DASH NO. AND REV LEVEL WITH CONTRASTING PERM COLOR, NON-CONDUCTIVE, .12 INCH HIGH APPROX WHERE SHOWN.

3. MAX HEIGHT FOR COMPONENTS (OTHER THAN CONNECTORS, LED'S, SOCKETS, SWITCHES, C65, C66, C43 AND Y1) TO BE .275.

4. THIS ASSY TO BE A 3-STAGE OPERATION  
1) WAVE SOLDER OTHER THAN ITEM 76 (7-SEG, L.E.D.), ITEM 94 (SWITCH SET) AND THEN CLEAN.

2) HAND SOLDER ITEMS 76 & 94 IN PLACE AND CLEAN WITH ALCOHOL. DO NOT IMMERSE EITHER OF THESE ITEMS INTO A FLUID.

5. MARK ASSY VENDOR ID WITH CONTRASTING PERM COLOR. NON-CONDUCTIVE, APPROX WHERE SHOWN.

6. SWITCHES (ITEM 94), L.E.D. LAMP (ITEM 77), AND 7-SEG (ITEM 76) TO BE INSTALLED ALIGNED AND FLUSH ON THE BOARD.

7. ASSEMBLY MUST CONFORM TO MCD STD QA WS 007.

8. CAUTION: BEFORE ASSY, CHECK INDICATOR ITEM 76 FOR SAME BRIGHTNESS INTENSITY GRADE VALUE WHICH APPEARS ON PART

9. WORKMANSHIP PER MCSD QAWS 99-0007-001.

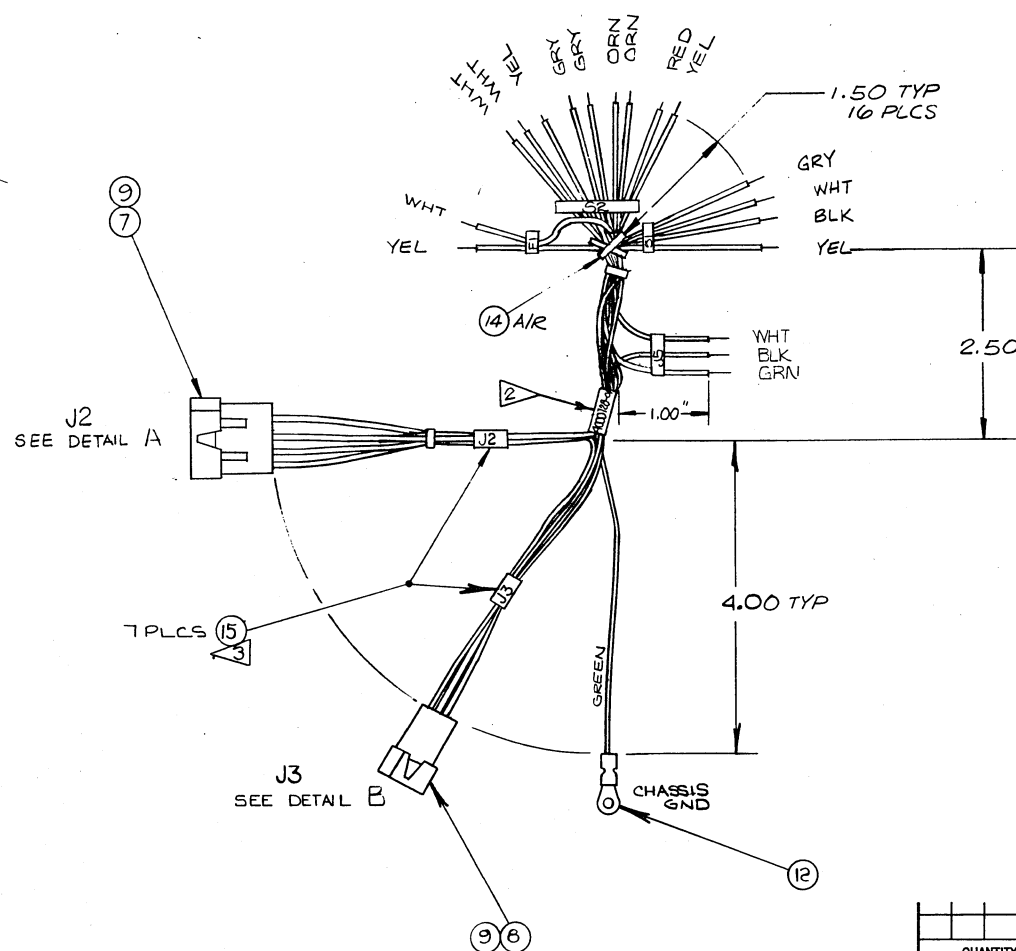
3 .275 MAX (REF)  
4 .400 MAX  
6 .340 TYP.  
(DSI)

DETAIL B

-SEE SEPARATE PARTS LIST-

QUANTITY PER DASH NO.		ITEM NO.	PART NUMBER	DESCRIPTION
SCALE: 1:1				
TOL:	2 PLC 3 PLC ANGLE			
MATERIAL:				
SEE PARTS LIST				
FINISH:				
4001002	PROMPT 48			
NEXT ASSY	USED ON			
		CODE:	SHEET 1 OF 1	REV G

PARTS LIST			
3065 BOWERS AVE. SANTA CLARA CALIF. 95051			
TITLE: P.W.A. KEYBOARD DISPLAY			
SIZE	DEPT	DRAWING NO.	REV
D	MCSD	1001011	G



- [illegible]

INPUT: 115 OR 230 VAC,  $\pm 10\%$  47 - 63 HZ.  
PRIMARY WINDINGS OF THE TRANSFORMER  
MUST BE ABLE TO ACCOMMODATE A 15V  
20 WATT FAN WHEN THE WINDINGS ARE  
CONNECTED IN SERIES AND THE FAN IS  
CONNECTED IN PARALLEL WITH ONLY  
ONE OF THE WINDINGS. IAC  $\leq$  LBAMP @ 125V.

LINE AND LOAD REGULATION: 0.1% ON  
OUTPUT 1, AND 2 ; 1% ON OUTPUTS 3, 4, AND 5

CURRENT LIMIT: 110% TO 125% OF RATED  
CURRENT ON OUTPUT 1 AND 2.

### VOLTAGE VARIATION RANGE

OPERATING TEMP: 0° TO 55° AMBIENT



1. ASSY NO IS 4500725-01.

3 INSULATE EXPOSED TERMINALS

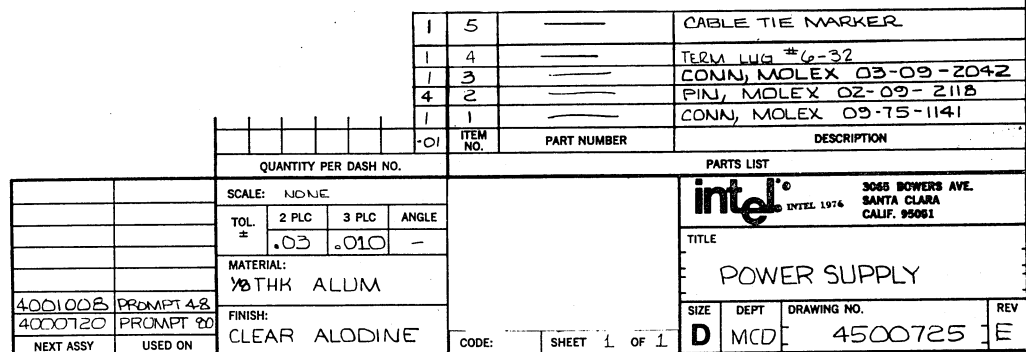
5 REMOVE PIN # 10.

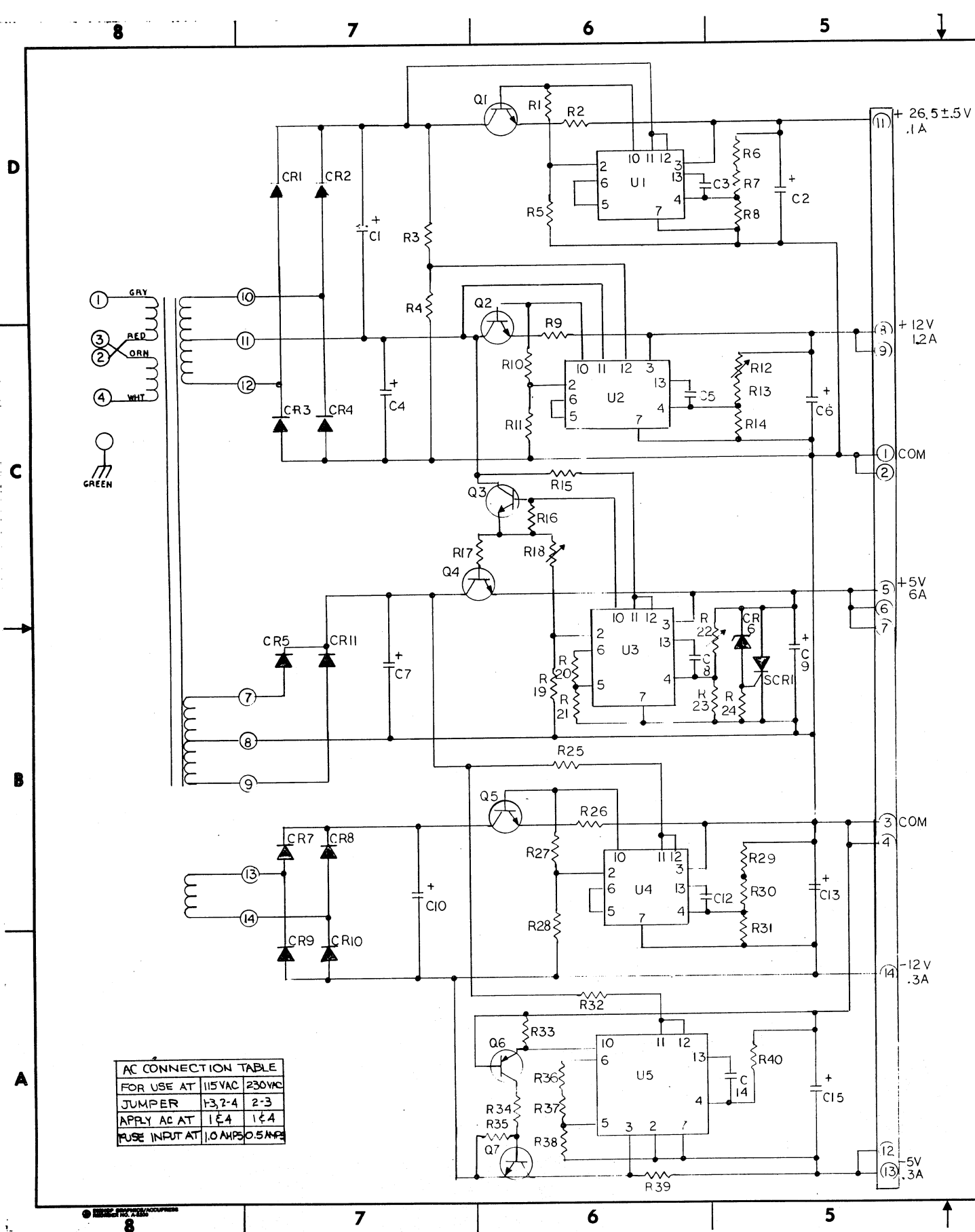
7 VENTED SIDES ARE OPTIONAL.

9 A.C. INPUT HARNESS TO BE 6.00' LONG FROM THE DATUM CORNER AS INDICATED.

11 FOR PROCUREMENT SEE LV 4500725.

12 THIS DIMENSION WILL INCLUDE SPACER HEIGHT.





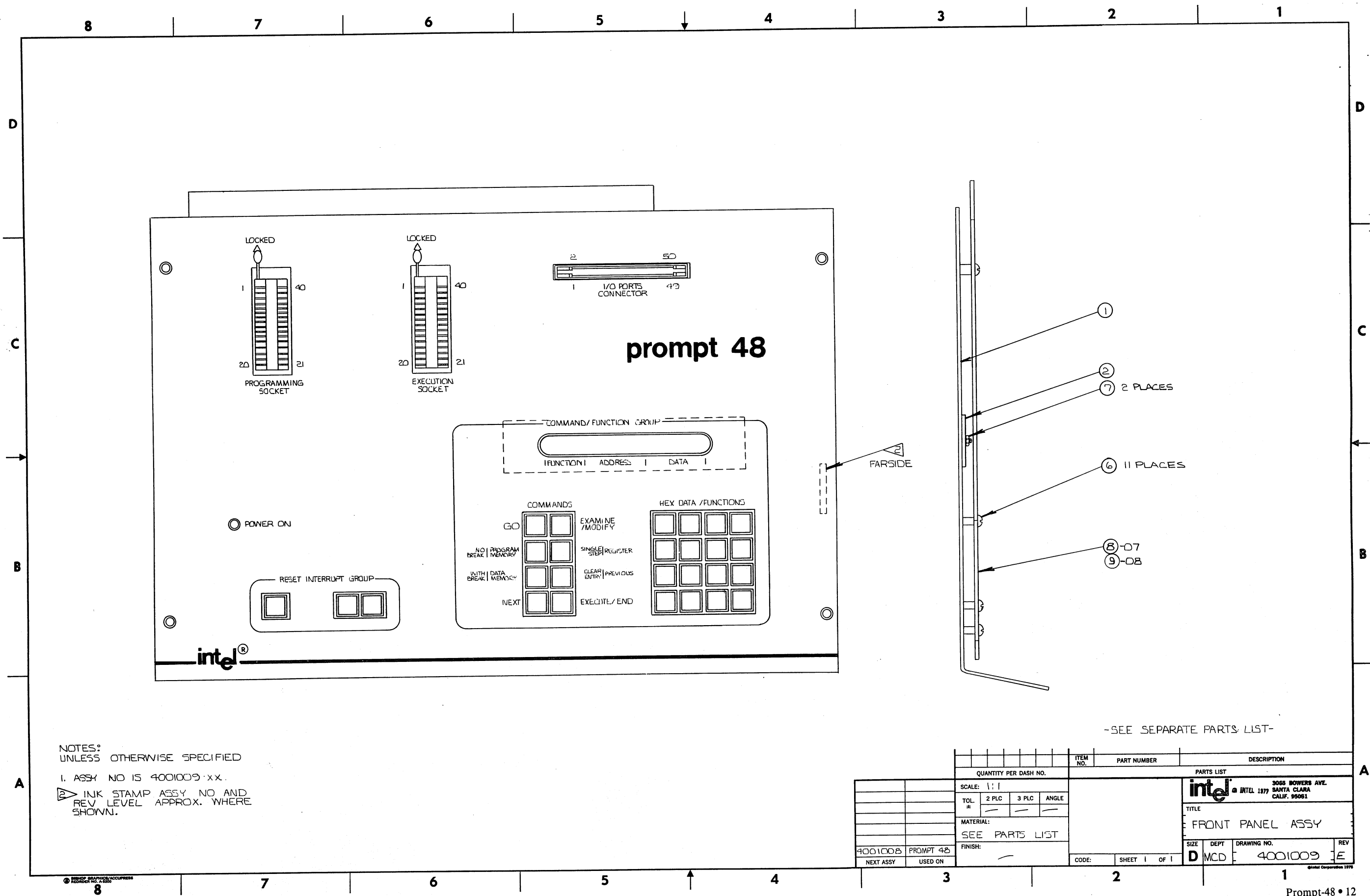
AC CONNECTION TABLE			
FOR USE AT	115VAC	230VAC	
JUMPER	1-3, 2-4	2-3	
APPLY AC AT	1-4	1-4	
FUSE INPUT AT	1.0 AMP	0.5 AMP	

RES DES	CF181	DESCRIPTION
C1	330/55 OR 470/25	CAPACITOR, ELECT
C2, 6, 13	100/35	
C4, 10	2400/35	
C7	16000/15	
C9, 15	220/16	
C3, 5, 12	.001/100	ELECT MYLAR
C8	.0039/100	
C14	.01/100	CAPACITOR, MYLAR
CR1, 2, 7, 8, 9, 10	AE1C	DIODE, 1A, 200V
CR3, 4	AE3P	3A, 100 V
CR5, 11	MR750	6A, 50V
CR6	IN752A	DIODE ZENER
SCR1	50508LS3	SCR, 8A
Q1, 3	2N6551	TRANSISTOR, POWER NPN
Q2, 7, 5	12500-4	TRANSISTOR, SIGNAL NPN
Q6	2N2907	TRANSISTOR, SIGNAL PNP
Q4	12505-2	TRANSFORMER
R1, 3, 16, 25, 37, 30, 33, 37	270-Ω	RESISTOR, 1/2W, 5%, CF
R2, 17	39-Ω	
R4, 5, 11, 28	10K	
R6	510-Ω S.I.T.	
R7, 14, 23, 19	2.2K	
R8, 13, 21, 38, 40	1K	
R10	750-Ω	
R15, 32, 34	47-Ω	
R20, 31	750-Ω	
R24	47-Ω	
R29, 36	270-Ω S.I.T.	
R39	15-Ω	1/2W, 5%, CF
R9, 26	.39-Ω	RESISTOR, 2W, WW, BWH
R12, 18, 22	1.5k	POT. CTS 4274
R27	330-Ω	RESISTOR, 1/2W, 5%, CF
U1, 2, 3, 4, 5	UA 723	IC VOLTAGE REGULATOR
P.C.B	13287	PRINTED CIRCUIT BOARD
T1	13253	TRANSFORMER
CHASSIS	12439	CHASSIS
J1	# 09 65 1141	P.C.B. CONNECTOR MOLEX

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QUANTITY PER DASH NO.		ITEM NO.	PART NUMBER	DESCRIPTION
SCALE: NONE		PARTS LIST		
TOL: 2 PLC 3 PLC ANGLE		intel 3065 BOWERS AVE. SANTA CLARA CALIF. 95051		
MATERIAL:		TITLE SCHEMATIC POWER SUPPLY V/C AA		
FINISH:		SIZE	DEPT	DRAWING NO.
98-296 PROMPT BD		D	410	2000960
NEXT ASSY USED ON		CODE:	SHEET 1 OF 1	REV A





NOTES:  
UNLESS OTHERWISE SPECIFIED

1. ASSY NO IS 4001009-xx.

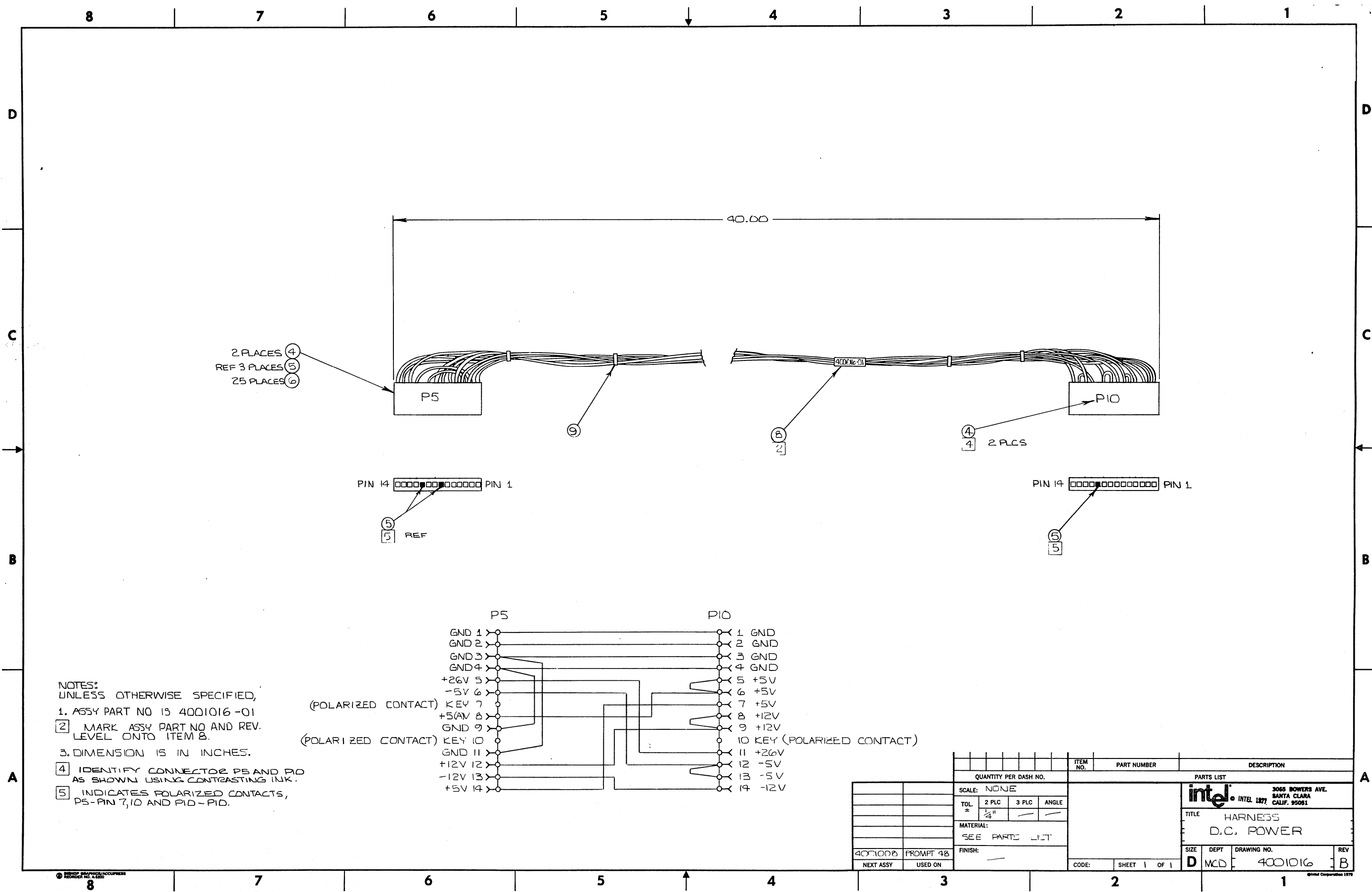
2. INK STAMP ASSY NO AND REV LEVEL APPROX. WHERE SHOWN.

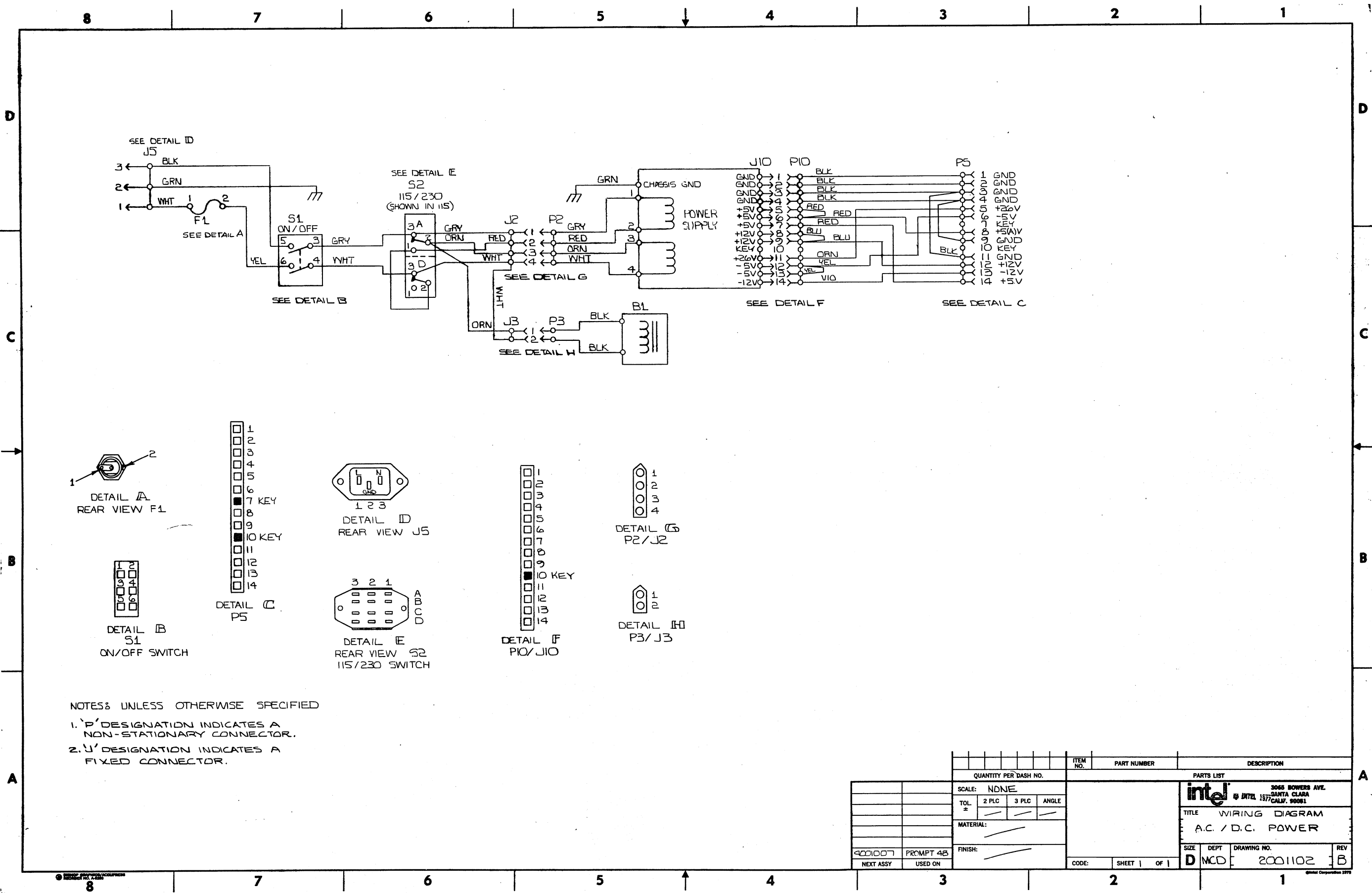
-SEE SEPARATE PARTS LIST-

QUANTITY PER DASH NO.				ITEM NO.	PART NUMBER	DESCRIPTION
SCALE: 1:1				<div><div><div>intel</div><div>3055 BOWERS AVE. SANTA CLARA CALIF. 95051</div></div><div><div>TITLE</div><div>FRONT PANEL ASSY</div></div><div><div>SIZE</div><div>DEPT</div><div>DRAWING NO.</div><div>REV</div></div></div>		
TOL.	2 PLC	3 PLC	ANGLE			
MATERIAL:						
SEE PARTS LIST						
FINISH:				CODE:	SHEET 1	OF 1
4001008	PROMPT 48					
NEXT ASSY	USED ON					


1

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NOTES: UNLESS OTHERWISE SPECIFIED  
 1. 'P' DESIGNATION INDICATES A NON-STATIONARY CONNECTOR.  
 2. 'J' DESIGNATION INDICATES A FIXED CONNECTOR.

QUANTITY PER DASH NO.				ITEM NO.	PART NUMBER	DESCRIPTION			
SCALE: NONE						PARTS LIST			
TOL. ±	2 PLC	3 PLC	ANGLE			 3065 BOWERS AVE. SANTA CLARA CALIF. 95051			
MATERIAL: _____						TITLE WIRING DIAGRAM			
FINISH: _____						A.C. / D.C. POWER			
4001007 PROMPT 48						SIZE DEPT DRAWING NO. REV			
NEXT ASSY		USED ON		CODE:	SHEET 1 OF 1	D MCD	2001102	B	

3

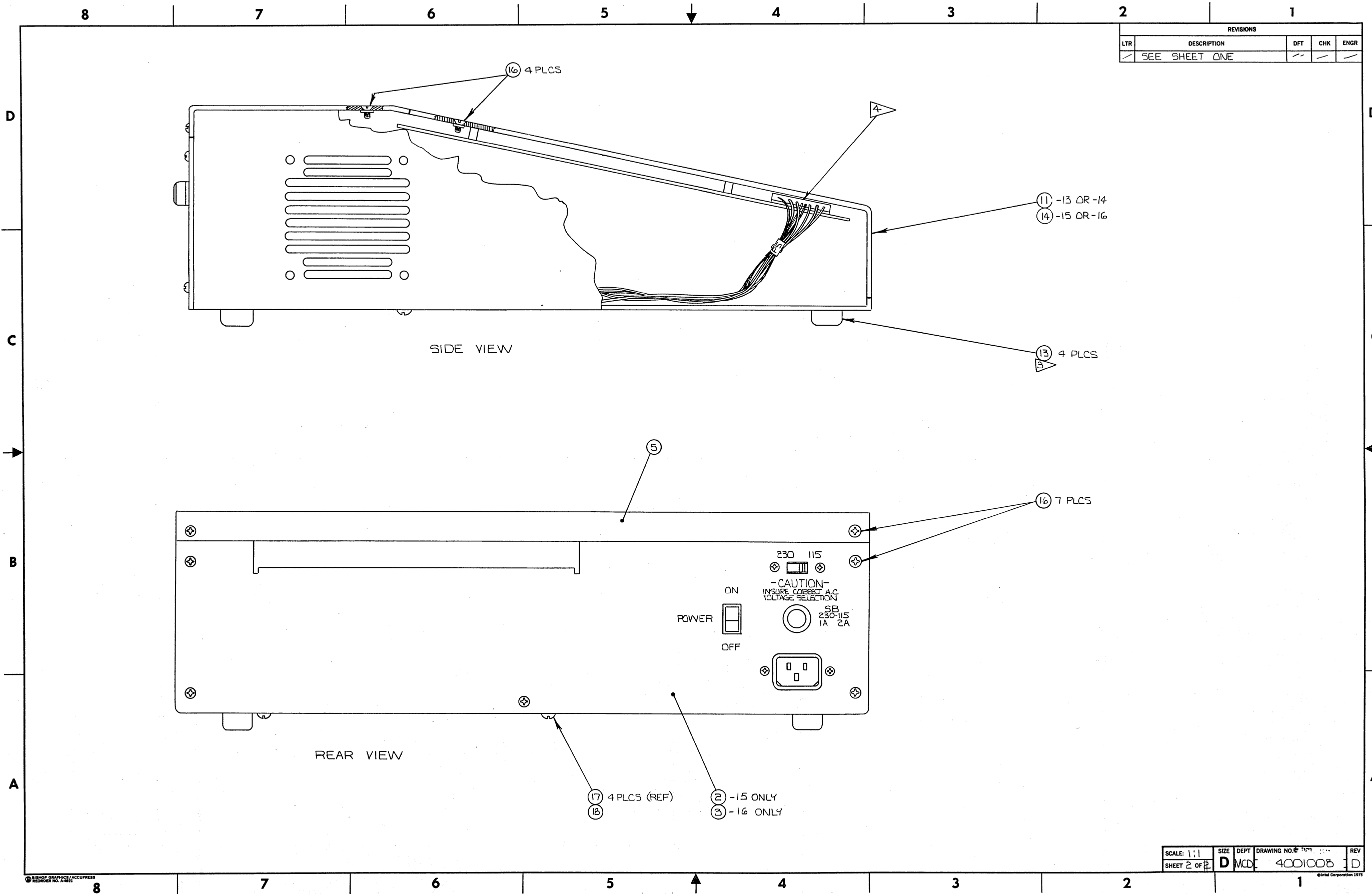
2

1

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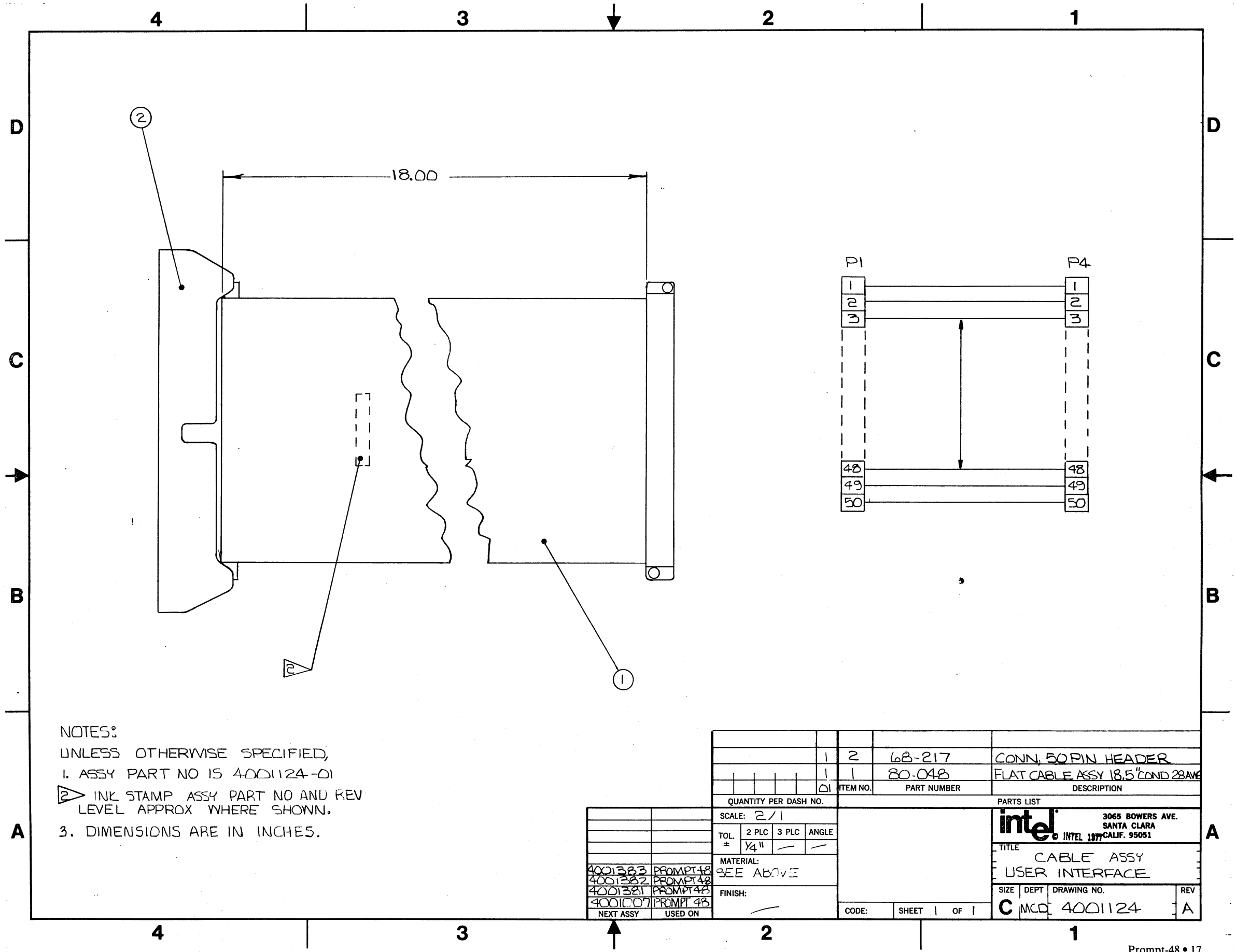


REVISIONS				
LTR	DESCRIPTION	DFT	CHK	ENGR
✓	SEE SHEET ONE	✓	✓	✓


SCALE: 1:1	SIZE: D	DEPT: MCD	DRAWING NO.: 4001008	REV: 1
SHEET 2 OF 2				

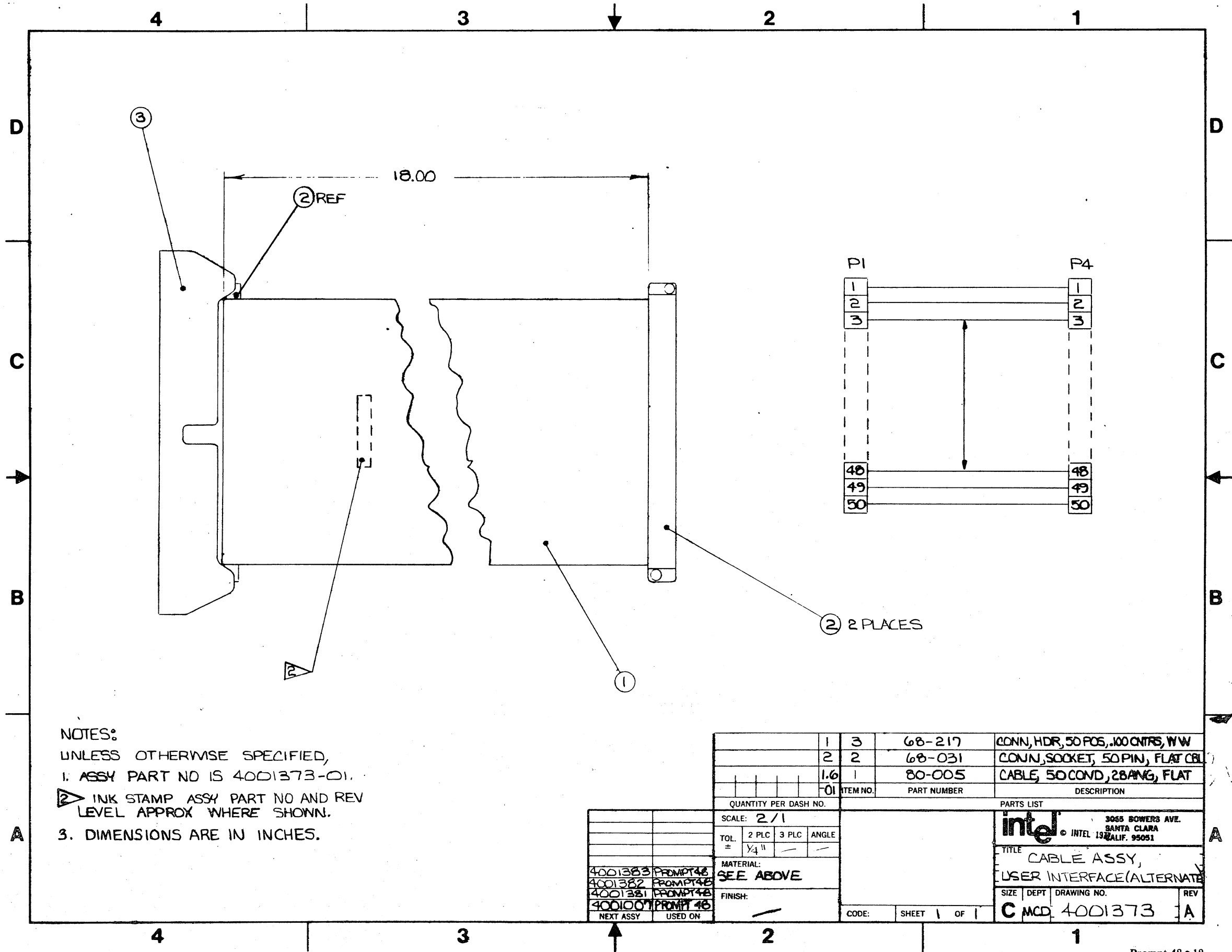
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NOTES:  
UNLESS OTHERWISE SPECIFIED,  
1. ASSY PART NO IS 4001124-01  
2. INK STAMP ASSY PART NO AND REV  
LEVEL APPROX WHERE SHOWN.  
3. DIMENSIONS ARE IN INCHES.

		1	2	68-217	CONN, 50 PIN HEADER
		1	1	80-048	FLAT CABLE ASSY 18.5" COND 28AWG
		01		ITEM NO.	PART NUMBER
		QUANTITY PER DASH NO.		PARTS LIST	
		SCALE: 2/1		 3065 BOWERS AVE. SANTA CLARA CALIF. 95051	
		TOL.	2 PLC	3 PLC	ANGLE
		±	1/4"	—	—
		MATERIAL:		TITLE	
		SEE ABOVE		CABLE ASSY USER INTERFACE	
		FINISH:		SIZE	DEPT
				C	MCD
				DRAWING NO.	REV
				4001124	A
				CODE:	SHEET 1 OF 1
4001383	PROMPT 48				
4001382	PROMPT 48				
4001381	PROMPT 48				
4001C07	PROMPT 48				
NEXT ASSY	USED ON				





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